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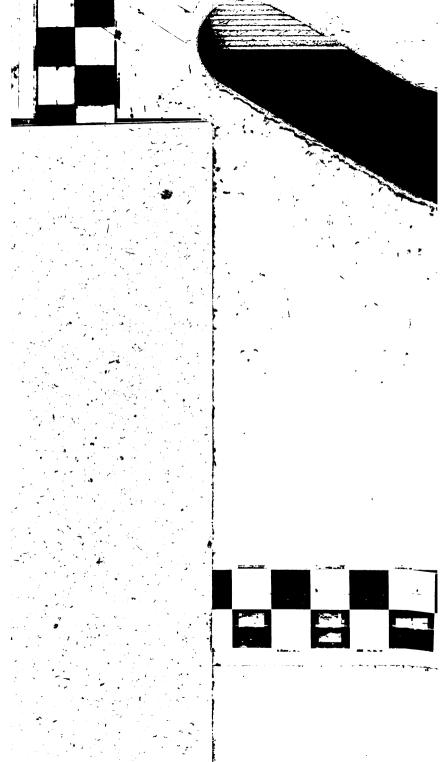
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CATALOGUE OF THE PLANTS

IS THE

Society of Ipothecaries' GARDEN AT CHELSEA.

ARRANGED ACCORDING TO THE NATURAL SYSTEM.

WITH PLANS OF THE GARDEN.

PROM "FIELD'S MEMOIRS OF THE BOTANIC GARDEN AT CHELSEA."

EDITED BY

R. H. SEMPLE, M.D.

Mondon :

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CATALOGUE OF THE PLANTS

IN THE

SOCIETY OF APOTHECARIES' GARDEN AT CHELSEA.

For the following description and plans of the Garden, and the Catalogue of the plants it contains, the Editor is mainly indebted to the co-operation of the distinguished Curator, Mr. Thomas Moore.

The Chelsea Botanic Garden at the present time occupies about four acres of land. The figure of the Garden is that of a trapezium, the four sides not being equal in length, and the inequality is now increased by the addition of a slip of reclaimed land, which has been thrown in with the older portion since the construction of the new river-side embankment. At the eastern end of the side facing the river, the angle formed by the boundaries is an acute one, and at the western end the angle is obtuse, while the side looking on to the river is longer

than that running parallel to the Queen's Road at the northern boundary. The old wall still incloses the Garden on three of its sides, but on the embankment front, or southern side, a handsome and substantial iron fence, with entrance-gates, has recently been erected.

The general disposition of the ground is that shown in Plan L. Near the centre stands a marble statue by Rysbrach of Sir Hans Sloane. Bart., the donor of the ground. On the right of the entrance-gate (1), on the plot marked A, is a new plantation of hardy medicinal plants recently made. This is shown more in detail on Plan II., and is planted in serial order after the system of De Candolle. Westward from this, on Plots B and C, as shown in detail on Plan III., is an older plantation of medicinal plants arranged according to Lindley's "Flora This is not quite so extensive a series Medica." as the former, and many of the subjects are duplicates, a circumstance which is found rather an advantage than otherwise, as from variations of soil and aspect, and in some degree also from treatment, a longer succession of flowers is obtained than would be furnished by a single patch of each plant.

It will be seen that from the entrance in Swan Walk (1) a gravel path crosses the Garden from

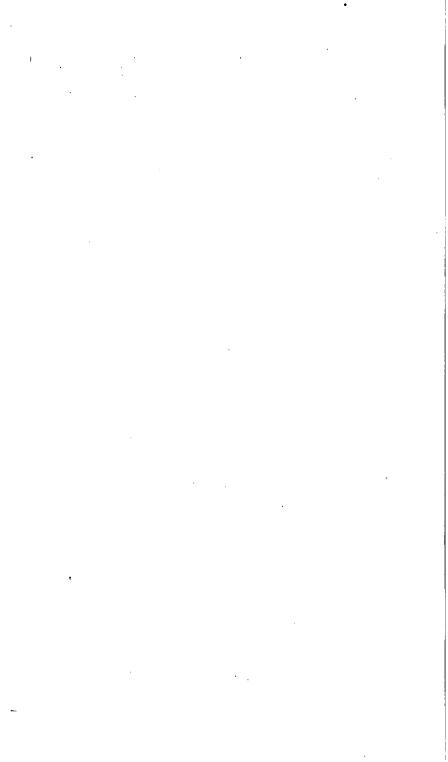
east to west, and this is crossed by another from north to south, the statue of Sir Hans Sloane standing at the point where the paths intersect. Starting from the same point another path skirts the four sides of the Garden, while a further loop-line traverses the new ground added near the embankment. In general terms, therefore, the portion of the Garden to the right or north of the centre path entering from Swan Walk is devoted to medical plants, and that on the left hand or south of this path, indicated by the plots D, E, F, G, to beds of hardy herbaceous plants arranged in natural orders, a few trees and shrubs, mostly the remains of former arrangements, being interspersed. H is an enclosed yard for storing fuel, soils, and other necessary materials.

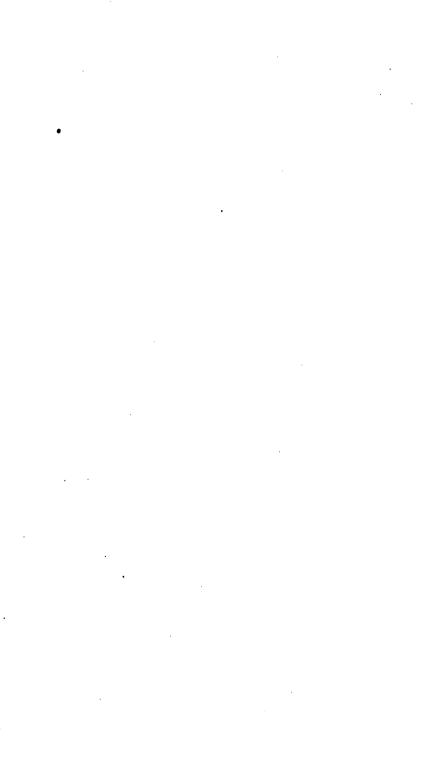
There are four glass houses, besides pits and frames devoted to propagation. The reference figure 2 indicates the position of a span-roofed house divided in the interior into stove and greenhouse, and primarily devoted to such medicinal plants as will not grow out-doors.

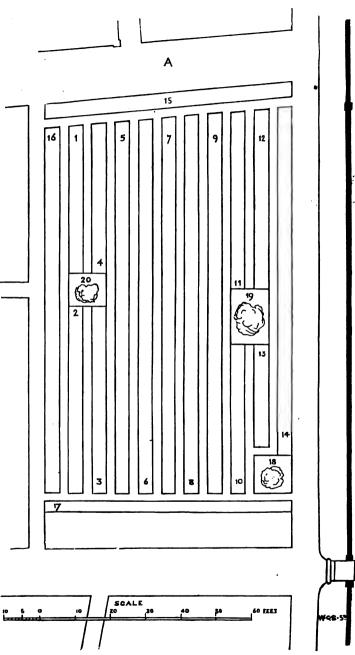
The lean-to houses 3 and 4 have their contents planted out à la Ward, and may be taken to represent on a very small scale the mixed vegetations of climates warmer than our own. The plants are not medical but of general botanical

interest, No. 3 containing a considerable number The house No. 5 is the cold of succulents. house already mentioned, also planted à la Ward. At 6 and 7 are warm propagating pits, 8 is a cold pit, and 9 indicates the site of cold frames for various cultural uses in rearing young plants to supply the different collections in the A tank for water-plants (10) is Garden. situated at the lower part of the plot E. plot I is intended for annual flowers, arranged in a serial manner according to their natural orders; 11 is a bed of Yuccas; 12, 12 are mixed borders of hardy flowers on the east side, useful as affording different aspects for some of the same plants which occur in other parts of the Garden; 13 is a similar border on the west side partly filled with shrubby plants; while 14, 14 are grassy slopes running up to the embankment, having a series of mixed ornamental shrubs within the low inner wall, and a holly hedge between the inner wall and the outer fence. The extreme eastern corner is reserved as a plot for nursery purposes.

Within the area of the yard H stands one of the finest Oriental Planes (*Platanus orientalis*) to be seen in or about London, a tree of noble proportions, which it may be hoped will not materially suffer from its water supply being cut off by the embankment. On plot F. stands the sole remaining Cedar of Lebanon (Cedrus Libani), one of the original trees introduced to this country; and on plot G is a handsome, straight-stemmed, evergreen oak (Quercus ilex). On the wall skirting Swan Walk, south of the entrance-gate, is an old tree of Styrax officinalis, and on the northern side a fine Wistaria, while close to the north boundary wall, near bed 11, stands a very good example of the Maidenhair tree (Salisburia adiantifolia).







PLAN II.—Plan showing Beds of Hardy Medicinal Plants, arranged after De Caudolle on Plot A of Plan I.

LIST OF MEDICAL PLANTS IN PLOT A,

n obyledous AFTER THE ARRANGEMENT OF DE CANDOLLE.

(See Plan II.)

BED 1, commencing at N. end.

Order Ranunculaçeæ.

Clematis erecta, All.—Central Europe.

Clematis Flammula, Lin.—South Europe.

Anemone Pulsatilla, Lin.—England.
 Ranunculus acris, Lin.—England.

~ Ranunculus Flammula, Lin.—England.

Helleborus fœtidus, Lin.—England.

K. Helleborus niger, Lin.—Central Europe.

Helleborus orientalis, Lam.—Asia Minor, Greece.

Aconitum Napellus, Lin.—England. Monkahad Aconitum ferox, Wall.—Nepal.

Aconitum paniculatum, Lam.—Europe.

K Aconitum Lycoctonum, Lin.—Europe. Wolfsbane

K - Delphinium Consolida, Lin.- England.

BED 2.

K Delphinium Staphisagria, Lin.—South Europe. Pæonia officinalis, Retz.—Europe.

K - Actæa spicata, Lin. — Europe. Sag.
 Xanthorrhiza apiifolia, Herit. — Virginia.
 Cimicifuga racemosa, Bart. — North America.
 Podophyllum peltatum, Lin. — North America.

Podophyllum peltatum, Lin.—North Am

Order Magnoliaceæ.

Liriodendron Tulipifera. Lin.—North

Liriodendron Tulipifera, Lin.—North America. Magnolia glauca, Lin.—North America.

Niozela in I Sanguinaria Order Berberidaceæ.

-Berberis vulgaris, Lin.-England.

Order Papaveraceæ.

K -Chelidonium majus, *Lin*.—England. Argemone mexicana, *Lin*.—Mexico.

k - Papaver Rhœas, Lin.—England.

K Papaver somniferum, Lin.—Levant, South Europe.

Order Cruciferæ.

K -Isatis tinctoria, Lin.—England.

K Cochlearia Armoracia, Lin.—Europe.

K . Cochlearia officinalis, Lin.—England.

BED 3, S. end.

Cardamine pratensis, Lin.—England.

K - Sinapis alba, Lin.—England.

K - Sinapis nigra, Lin.—England.

Order Violaceæ.

K - Viola odorata, Lin.—England.
Viola canina, Lin.—England.

Order Polygalacea.

-Polygala vulgaris, Lin.-England.

Order Caryophyllaceæ.

-Agrostemma Githago, Lin.—England.

·Dianthus Caryophyllus, Lin.—England.

K -Saponaria officinalis, Lin.—England.

Vaccaria vulgaris, Host—Europe.

Order Tamaricacea.

-Tamarix gallica, Lin.—England, Mediterranean region.
Myricaria germanica, Desv.—Europe, Caucasus.

Order Hypericaceæ.

- Androsæmum officinale, All.—England, Greece.

Order Malvacea.

Althese officinalis, Lin.—England.

K - Malva sylvestris, Lin.—England.

Order Tiliaceæ.

-Tilia europæa, Lin.—England.

BED 4.

Order Lingceæ.

- Linum usitatissimum, Lin.-England.

Order Oxalidaceæ.

Oxalis crenata, Jacq.—Mountains of Peru.

Order Geraniaceæ.

Geranium maculatum, Lin.—North America.

-Geranium Robertianum, Lin.—England.

-Erodium moschatum, Willd.-England.

Order Zygophyllaceæ.

Zygophyllum Fabago, Lin.—Syria, Morocco.

Order Rutaceæ.

K. Ruta graveolens, Lin.—South Europe.

K. Dictamnus albus, Lin.—South Europe.

Order Xanthoxylaceæ.

Xanthoxylon fraxineum, Willd.—North America. Ptelea trifoliata, Lin.—North America.

Order Aquifoliaceæ.

-Ilex Aquifolium, Lin.—England.

Order Celastraceæ.

Euonymus europæus, Lin.—England.

Order Rhamnaceæ.

- Rhamnus catharticus, Lin.—England.

BED 5, N. end.

Rhamnus infectorius, Lin.—South Europe.

Order Vitaceæ.

Vitis vinifera, Lin.—South Asia, Greece, &c.

Order Sapindaceæ.

Æsculus Hippocastanum, Lin.—Asia, North India.

Æsculus ohioensis, Michaux-North America.

Order Anacardiaceæ.

Pistacia Lentiscus, Lin.—South Europe, North Africa, Levant. Rhus Toxicodendron, Lin.—North America. Rhus Cotinus, Lin.—South Europe, Caucasus. Rhus glabra, Lin.—North America.

Order Coriariaceæ.

Coriaria myrtifolia, Lin.—Mediterranean region.

Order Leguminosæ.

Baptisia tinctoria, R. Br.—North America.

K Astragalus Pseudo-Tragacantha, Pall.—Eastern Caucasus.

Spartium junceum, Lin.—South Europe.

X -Sarothamnus scoparius, Wimm.—England.

Trigonella cœrulea, Seringe—South Europe, North Africa.

Trigonella fænum-græcum, Lin.—South of France.

K Glycyrrhiza glabra, Lin.—South Europe.
Colutea arborescens, Lin.—Central and South Europe.

Ervum Ervilia, Lin.—South Europe,

K Ervum Lens, Lin.—Europe.

K Faba vulgaris, Mænch.—Caspian region. = Vitia Julia?

Lathyrus tuberosus, Lin.—England.
Coronilla Emerus, Lin.—Central and South Europe.

Order Drupaceæ. ?

Amygdalus communis dulcis, DC.—Levant, North Africa.

Amygdalus communis amara, DC.—Levant, North Africa.

Amygdalus persica, Lin.—Persia.

Cerasus virginiana, Michaux-North America.

Cerasus Laurocerasus, Loisel.—Trebizond.

-Prunus spinosa, Lin.—England.

Prunus Armeniaca, Lin.-Armenia.

Order Pomaceæ.

Pyrus Aucuparia, Gærtn.—England.

-Mespilus germanica, Lin.—England.

Cydonia vulgaris, Pers.—South Europe.

BED 6, S. end.

Order Rosaceæ.

Rosa centifolia, Lin.—East Caucasus.

Rosa gallica, Lin.—Central and South Europe.

-Rosa canina, Lin.—England.

- Rubus Idæus, Lin. - England.

Rubus villosus, Ait.—North America.

-Potentilla reptans, Lin.—England.

• Potentilla Tormentilla, Nestl.—England.

-Agrimonia Eupatoria, Lin.—England.

K -Geum urbanum, Lin.—England.

• Geum rivale, Lin.—England.

*Geum canadense, Murr.—North America.

- Spiræa Ulmaria, Lin.—England.

- Poterium Sanguisorba, Lin.—England.

Order Calycanthaceæ.

Calycanthus floridus, Lin.—Carolina.

Order Myrtaceæ.

Punica Granatum, Lin.—Syria, North Africa, &c.

Order Lythraceæ.

· Lythrum Salicaria, Lin.—England.

Order Cucurbitaceæ.

- Bryonia dioica, Jacq.—England.

Cucurbita aurantia, Willd.—Patria ignota.

Echallium Elaterium, Kich.—South Europe. Squating (ucum

Order Datiscaceæ.

R.

K

K

Datisca cannabina, Lin.—Asia Minor, Persia, North India.

Order Crassulaceæ.

- Sedum acre, Lin.—England.

- Sedum Telephium, Lin.—England.

- Sempervivum tectorum, Lin.—England.

Order Saxifragaceæ.

Heuchera americana, Lin.-North America.

Order Grossularieæ.

-Ribes nigrum, Lin.—England.

```
Order Umbelliferæ.
     -Eryngium maritimum, Lin.-England.
     -Cicuta virosa, Lin.—England.
 K
     Apium graveolens, Lin.—England.
k
K
     -Petroselinum sativum, Hoffm.—England.
      Sium Sisarum, Lin.—China, Japan, Mongolia, &c. Skant
     Pimpinella Saxifraga, Lin.—England.
     -Carum Carui, Lin.—England.
 K
                      BED 7, N. end.
K
    -Enanthe crocata, Lin.-England.
K
     -Æthusa Cynapium, Lin.-England.
k
     -Fœniculum vulgare, Gærtn.-England.
KK
    Meum Athamanticum, Jacq. - England.
     Archangelica officinalis, Hoffm.—Europe.
     Opopanax Chironium, Koch-South Europe.
k
     Ferula persica, Willd.—Persia.
     Ferula Ferulago, Lin.—Mediterranean region.
K
     Ferula tingitana, Lin.—North Africa, Tangiers.
     Narthex Asafætida, Falconer-North-west India.
  ? - Imperatoria Ostruthium, Lin. - England.
KK
     Anethum graveolens, Lin.—Central Europe, Egypt, &c.
    Pastinaca sativa, Lin.—England.
    -Peucedanum officinale, Lin.—England. Such har wort
 K
K
    -Daucus Carota, Lin.—England.
K
     Anthriscus Cerefolium, Hoffm.—South Europe.
    -Conium maculatum, Lin. - England.
    -Smyrnium Olusatrum, Lin.—England.
    -Coriandrum sativum, Lin.-England.
 Order Araliaceæ.
     Gunnera chilensis, Lam.—Chili, Peru.
    · Hedera Helix, Lin.—England.
     Aralia nudicaulis, Lin. - North America.
 Order Cornacea (Rubiacea).
     Cornus mascula, Lin.—South Europe.
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Cornus circinata, *Herit.*—North America. Cornus sericea, *Herit.*—North America. Cornus florida, *Lin.*—North America.

_

Order Caprifoliaceæ.

I

- Sambucus nigra, Lin.—England.

Order Galjaceæ (Rubiaceæ).

K - Asperula odorata, Lin.—England.

K Rubia tinctorum, Lin.—South Europe, Levant.

•Galium Aparine, Lin.—England,

Order Valerianaceæ.

Valeriana celtica, Lin.—Alps of Europe (in frames).

★ • Valeriana officinalis, Lin.—England.

BED 8, S. end.

K Valeriana Phu, Lin.—Central Europe.

Order Compositæ, § Tubulifloræ.

Tussilago Farfara, Lin.—England.

K - Inula Helenium, Lin.—England.

K -Anthemis nobilis, Lin.—England.

K -Achillea Millefolium, Lin.—England.

Achillea nobilis, Lin.—Central and South Europe.

Pyrethrum Tanacetum, DC.—South Europe.

Y -Pyrethrum Parthenium, Smith—England.

K Artemisia Abrotanum, Lin.—South Europe.

K - Artemisia Absinthium, Lin. — England. Artemisia pontica, Lin. — Europe, Central Asia. Artemisia Santonica, Lin. — Tartary, Siberia.

R Artemisia Dracunculus, Lin.—South Europe, Siberia.

K - Tanacetum vulgare, Lin.—England.

- Doronicum Pardalianches, Lin. - England.

- Arctium majus, Schkuhr-England.

K Cnicus benedictus, Gærtn.—South Europe, Persia.

Carthamus tinctorius, Lin.—India, Egypt.

K Cynara Scolymus, Lin.—South Europe.

Order Compositæ, § Ligulifloræ.

K Cichorium Endivia, Lin.—India, Asia Minor, Greece.

Cichorium Intybus, Lin. - England.

K -Tragopogon porrifolius, Lin.—England. Salsity

Scorzonera hispanica, Lin.—Europe, North Asia. Wins gran

Lactuca sativa, Lin.—Europe.

K - Lactuca virosa, Lin.—England. Sleepwort,

• Taraxacum Dens leonis, Desf.—England. (bficinale)

Order Lobeliaceæ.

Lobelia cardinalis, Lin.—North America.

K Lobelia syphilitica, Lin.—North America.

K Lobelia inflata, Lin.—North America. Indian Thans

Order Ericacea.

- Arbutus Unedo, Lin.—South Europe, Ireland. - Arctostaphylos Uva-ursi, Spr.—England.

BED 9, N. end.

Gaultheria procumbens, Lin.—North America.

Kalmia latifolia, Lin.—North America.

Ledum latifolium, Ait.—North America.

Rhododendron ferrugineum, Lin.—Switzerland.

Azalea pontica, Lin.—Asia Minor, Caucasus.

Order Ebenaceæ.

Diospyros virginiana, Lin.—North America.

Order Primulaceæ.

K - Anagallis arvensis, Lin.—England.

-Cyclamen europæum, Lin.—South Europe, England.

K - Primula veris, Lin.—England.

Order Jasminaceæ.

Jasminum officinale, Lin.—China, South Europe.

Order Apocynaceæ.

Apocynum androsæmifolium, Lin.—North America. Apocynum cannabinum, Lin.—North America.

Order Asclepiadaceæ.

Asclepias tuberosa, Lin.—North America.

Vincetoxicum officinale, Mænch—Europe. Swall work-

- Fraxinus excelsior, Lin.—England.
Fraxinus Ornus, Lin.—South Europe.
Olea europæa, Lin.—South Europe, Barbary, Levant.
Syringa vulgaris, Lin.—East Europe, Persia.

Order Gentianaceæ.

- Menyanthes trifoliata, Lin. England.
- Erythræa Centaurium, Pers. England. Gentiana lutea, Lin.—Alps of Europe.

Order Convolvulacea.

- Calystegia sepium, R. Br.—England.
- · Convolvulus arvensis, Lin.—England. k. Convolvulus Scammonia, Lin.—Greece, Levant.

Pharbitis Nil, Choisy-India, Tropics generally.

Order Solanaceæ.

Nicotiana Tabacum, Lin.—Tropical America.

k - Datura Stramonium, Lin.—England.

K - Hyoscyamus niger, Lin.—England.

K - Atropa Belladonna, Lin.—England.

Capsicum annuum, Lin.—India, South America, Mexico.

K - Solanum Dulcamara, Lin.—England.

- Solanum nigrum, Lin.—England.

Tubrosum BED 10, S. end.

Lycopersicum esculentum, Mill.—South America, Peru. K. Order Boraginaceæ.

Anchusa tinctoria, Lin.—South Europe.

Borago officinalis, Lin.—England.

Order Labiatæ.

K

Ocimum Basilicum, Lin.—India, Western Asia.

Lavandula Spica, DC.—Mediterranean region, Algiers.

K Lavandula vera, DC.—Mediterranean region, Morocco.

- Mentha piperita, Lin.—England.

- Mentha viridis, Lin.—England.

-Mentha Pulegium, Lin.—England.

- Mentha aquatica, Lin.—England.

Salvia officinalis, Lin.—South Europe.

Rosmarinus officinalis, Lin.—South Europe, Asia Minor, Algiers.

BED 11.

Origanum Majorana, Lin.—Central Asia, Arabia, North K. Africa.

K

k

K - Origanum vulgare, Lin. - England.

K. Satureia hortensis, Lin.—South Europe.

- Thymus Serpyllum, Lin.-England.

K. K officinalis, Lin. - South Europe, Central Hyssopus Asia.

Melissa officinalis, Lin.—South Europe, England.

K - Nepeta Cataria, Lin.-England.

- Nepeta Glechoma, Benth.—England.

k - Marrubium vulgare, Lin. - England.

- Teucrium Chamædrys, Lin.—England.

Order Verbenaceæ.

Verbena officinalis, Lin.—England.

Order Scrophulariaceæ.

-Verbascum Thapsus, Lin.—England.

- Linaria vulgaris, Mill. - England.

K. - Scrophularia nodosa, Lin.—England. K. Gratiola officinalis, Lin.—Europe.

BED 12, N. end.

Digitalis purpurea, Lin.—England.

Order Plumbaginaceæ.

- Armeria vulgaris, Willd. - England.

Plumbago europæa, Lin.—South Europe, Asia Minor. Order Plantaginaceæ.

Plantago Psyllium, Lin. - South Europe.

Plantago Cynops, Lin.—Europe.

Order Chenopodiaceæ.

Chenopodium anthelminticum, Lin.—North America, Brazil

K - Chenopodium Vulvaria, Lin.—England. Chenopedium Botrys, Lin.-South Europe, North Africa.

Order Nyctaginaceæ.

Mirabilis Jalapa, Lin. - Peru, Mexico. Mirabilis longiflora, Lin.—Mexico.

Order Phytolaccaceæ.

K. Phytolacca decandra, Lin.—North America.

Order Polygonaceæ.

Rheum undulatum, Lin.—Siberia. Rheum palmatum, Lin.—Chinese Tartary. Rheum Emodi. Wall.—Himalaya.

K. Rheum officinale, Baillon—Eastern Thibet, Western China.

BED 13.

- Rumex Hydrolapathum, Huds.—England.
- K Rumex alpinus, Lin.—England.
- K Rumex Acetosa, Lin.—England.
- K Polygonum Bistorta, Lin.—England.

Order Thymelacea.

- Daphne Mezereum, Lin.—England.
 Daphne pontica, Lin.—Asia Minor.
- Daphne Laureola, Lin.—England.

Order Elæagnaceæ.

Elæagnus angustifolia, Lin.—South Europe, Central Asia.

BED 14, S. end.

Order Lauraceæ.

Sassafras officinale, Nees—North America. Laurus nobilis, Lin.—South Europe, Asia Minor. Benzoin odoriferum, Nees—North America.

Order Buxaceæ.

- Buxus sempervirens, Lin.—England.

Order Euphorbiaceæ.

K Ricinus communis, Lin.—India.

K - Mercurialis annua, Lin.—England.

- Mercurialis perennis, Lin.—England.

K - Euphorbia Cyparissias, Lin.—England. Euphorbia Gerardiana, Jacq.—Europe.

- Euphorbia hyberna, Lin.—England. Euphorbia palustris, Lin.—Europe.
- *Euphorbia Lathyris, Lin.—England.
- Euphorbia Peplus, Lin.—England.
- -Euphorbia helioscopia, Lin.—England.

Order Empetraceæ.

- Empetrum nigrum, Lin.—England.

Order Corylaceæ.

- Quercus pedunculata, Willd.—England.
- Quercus sessiliflora, Smith—England.

Quercus lusitanica (infectoria), Webb-Mediterranean region.

Order Juglandaceæ.

Juglans regia, Lin.—Asia Minor, Levant, &c.

Order Moracea.

Ficus Carica, Lin.—South Europe, Asia Minor.

Morus alba, Lin.—Asia.

Morus nigra, Lin.—South Europe, Persia.

Order Cannabinaceæ.

- Humulus Lupulus, Lin.—England.

Cannabis sativa, Lin.—India, Persia.

Order Urticaceæ.

K - Parietaria officinalis, Lin.—England.

- Urtica dioica, Lin. - England.

BED 15, E. end.

Order Ulmaceæ.

- Ulmus montana, Smith—England. Celtis australis, Lin.—South Europe, North Africa.

Order Aristolochiaceæ.

★ Aristolochia Clematitis, Lin.—Europe, England.

Asarum canadense, Lin.—North America.

★ Asarum europæum, Lin.—England.

Order Saururaceæ.

Saururus cernuus, Lin.—North America.

Order Myricacea.

Comptonia aspleniifolia, Gærtn.—North America.

Myrica Gale, Lin.—England.
 Myrica cerifera, Lin.—North America.

Order Betulaceæ.

- Alnus glutinosa, Willd.—England. Betula nigra, Lin.—North America.
- Betula alba, Lin.—England.

Order Salicaceæ.

Populus balsamifera, Lin.—North America.

- Populus nigra, Lin.—England.
- Salix pentandra, Lin.—England.
- Salix fragilis, Lin.—England.
- Salix Russelliana, Smith—England.
- Salix purpurea, Lin.—England.

Order Platanaceæ.

Liquidambar styraciflua, Lin.-North America.

Order Coniferæ, § Taxineæ.

- Taxus baccata, Lin.—England.

BED 16, N. end.

Order Coniferæ, & Abietineæ.

Picea balsamea, Loud.—North America.

Picea pectinata, Loud.—Central and South Europe.

Abies nigra, Michaux-North America.

Abies excelsa, DC.—North Europe.

Pinus Pinaster, Soland.—South Europe.

-Pinus sylvestris, Lin.—England.

Pinus Pumilio, *Hænke*—Central Europe. Larix europæa, *DC*.—European Alps, Siberia.

Juniperus communis, *Lin.*—England.
Juniperus Sabina, *Lin.*—Central Europe.

Thuja occidentalis, Lin.—North America.

0. Forder Dioscoreacea.

K - Tamus communis, Lin.—England.

Order Smilaceæ.

Smilax aspera, Lin.—South Europe, Levant.

Order Marantaceæ.

Canna edulis, Ker—Peru.

Order Hæmodoraceæ.

Aletris farinosa, Lin.—North America.

Order Amaryllidacea.

- Leucoium æstivum, Lin.-England.
- -Narcissus Pseudo-Narcissus, Lin.—England. Narcissus Tazetta, Lin.—South Europe, North Africa. Pancratium maritimum, Lin.—Mediterranean region.

Order Iridaceæ.

- Crocus sativus, Lin.—Greece, Asia Minor. E.
- Iris fœtidissima, Lin. England. Iris florentina, Lin. - South Europe.
- K Iris germanica, Lin.—Europe.
 Iris Pseudacorus, Lin.—England.

Order Liliaceæ, § Tulipeæ.

Fritillaria imperialis, *Lin.*—European Turkey, Persia. Lilium candidum, *Lin.*—South Europe, Asia Minor.

Order Liliaceæ, § Scilleæ.

- Allium ascalonicum, Lin.—Asia Minor. Stat.
- Allium Cepa, Lin.—Mountains of Caucasus. Min
- Allium fistulosum, *Lin.*—Siberia, Altaic Alps.

 Allium Porrum, *Lin.*—South Europe, Egypt.
- Allium sativum, Lin.—Sicily, Egypt. Carle
 - Allium Scorodoprasum, Lin.-England.
- K Allium Scheenoprasum, Lin.—England. (her

BED 17, W. end.

Order Liliaceæ, § Asparageæ.

- Ruscus aculeatus, Lin.—England.
- K -Polygonatum officinale, All.-England.
- -Asparagus officinalis, Lin.—England.

Order Melanthaceæ.

Colchicum variegatum, Lin.—South Europe, Levant.

Colchicum autumnale, Lin.—England.

Veratrum album, Lin.—Europe.

Veratrum nigrum, Lin.—Central and South Europe, Siberia.

Order Quontiacea.

- Acorus Calamus, Lin.-England.

Order Araceæ.

K Arum maculatum, Lin.—England.
Dracunculus vulgaris, Schott—South Europe.

Order Graminacea, § Phalarea.

K Zea Mays, Lin.—Paraguay.

Order Graminaceæ, § Paniceæ.

K Panicum miliaceum, Lin.—India. Millat

K Setaria italica, Kunth—Europe, India, New Holland.

Order Graminaceæ, § Aveneæ.

X Avena sativa, Lin.—Mesopotamia.

Order Graminaceæ, § Hordeæ.

Lolium temulentum, Lin.—England.

Triticum repens, Lin.—England.

Triticum vulgare, Vill.—Central Asia.
 Secale cereale, Lin.—Caucasico-Caspian Desert. Ruge
 Hordeum distichum, Lin.—Mesopotamia, Tartary.

Order Cyperacea.

Carex hirta, Lin.—England.

Carex arenaria, Lin.—England.

LIST OF MEDICAL PLANTS IN PLOTS B AND C, AFTER THE ARRANGEMENT OF LINDLEY.

(See PLAN III.)

BED 1, commencing at S. end.

Order Ranunculaceæ.

Clematis Flammula, Lin.—South Europe. Clematis erecta, All.—Central Europe.

Clematis Vitalba, Lin.—England.
 Anemone coronaria, Lin.—South Europe.
 Adonis vernalis, Lin.—Europe.
 Ranunculus acris, Lin.—England.

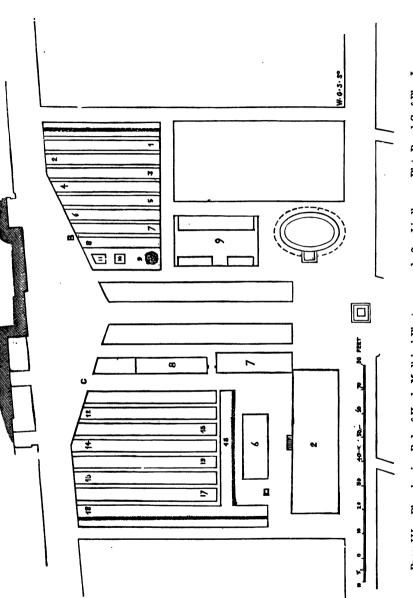
-Ranunculus bulbosus, Lin.—England.
Helleborus niger, Lin.—Central Europe.
Helleborus feetidus, Lin.—England.
Helleborus viridis, Lin.—England.
Delphinium Staphisagria, Lin.—South Europe.
Delphinium Consolida, Lin.—England.
Aconitum Napellus, Lin.—England.
Aconitum paniculatum, Lam.—Europe.
Pæonia officinalis, Retz.—Europe.

BED 2, N. end.

Podophyllum peltatum, Lin.—North America.

Order Papaveraceæ.

K. Sanguinaria canadensis, Lin.—North America. Papaver somniferum, Lin.—Levant, South Europe. Papaver Rhœas, Lin.—England. Chelidonium majus, Lin.—England.



PLAN III.—Plan showing Beds of Hardy Medicinal Plants, arranged after Lindley, on Plots B and C of Plan I.



Order Umbelliferæ.

Cicuta virosa, Lin.—England.

Apium graveolens, Lin.—England.

Petroselinum sativum, Hoffm.—England.

Carum Carui, Lin.-England.

Enanthe crocata, Lin.—England.

Archangelica officinalis, Hoffm.—Europe.

Æthusa Cynapium, Lin.—England (on border by adjacent Holly hedge).

Fœniculum vulgare, Gærtn.—England.

- Eryngium campestre, Lin.—England.

BED 3, S. end.

Dorema Asafœtida, Hort. Edin.—Persia.

Opopanax Chironium, Koch.—South Europe.

Ferula persica, Willd.—Persia.

Ferula tingitana, Lin.—North Africa.

Narthex Asafætida, Falc. - North-West India.

Imperatoria Ostruthium, Lin.—England.

Anethum graveolens, Lin.—Central Europe.

- Heracleum Sphondylium, Lin.—England.
Daucus Carota, Lin.—England.

Anthriscus sylvestris, Hoffm.—England. Conium maculatum, Lin.—England.

Smyrnium Olusatrum, Lin.—England.

Coriandrum sativum, Lin.-England.

BED 4, N. end.

Order Berberidaceæ.

Berberis vulgaris, Lin.—England.

Order Vitaceæ.

Vitis vinifera, Lin, —South Asia, Greece, &c.

Order Myrtaceæ.

Punica Granatum, Lin.—Syria, North Africa, &c.

Order Cucurbitaceæ.

Ecballium Elaterium, Rich.—South Europe.

Order Cruciferæ.

Cochlearia Armoracia, *Lin.*—Europe. Cochlearia officinalis, *Lin.*—England.

Cardamine pratensis, Lin.—England.

Sinapis alba, Lin.—England.

Sinapis nigra, Lin.—England.

K - Crambe maritima, Lin. - England.

Order Linaceæ.

Linum usitatissimum, Lin.—England.

BED 5, S. end.

Order Malvacea.

Malva sylvestris, Lin.—England. Althæa officinalis, Lin.—England.

Order Lythraceæ.

Lythrum Salicaria, Lin.—England.

Order Rhamnacea.

Rhamnus catharticus, Lin.—England (on Plot E).

Order Buxacea.

Buxus sempervirens, Lin.—England.

Order Euphorbiacea.

Ricinus communis, *Lin.*—India. Mercurialis perennis, *Lin.*—England. Euphorbia Lathyris, *Lin.*—England.

Euphorbia Cyparissias, Lin.—England.

Order Tamaricacea.

Tamarix gallica, Lin.—England, Mediterranean.

Order Rutaceæ.

Ruta graveolens, Lin.—South Europe. Dictamnus albus, Lin.—South Europe.

BED 6, N. end.

Order Geraniaceæ.

Geranium maculatum Lin.—North America. Geranium Robertianum, Lin.—England.

Order Oxalidaceæ.

Oxalis crenata, Jacq.—Mountains of Peru.

Order Coriariacece.

Coriaria myrtifolia, Lin.-Mediterranean region.

Order Rosaceæ.

Potentilla Tormentilla, Nestl.—England. Geum rivale, Lin.—England. Geum urbanum, Lin.—England. Agrimonia Eupatoria, Lin.—England. Rubus villosus, Ait.—North America. Rosa canina, Lin.—England.

BED 7, S. end.

Rosa centifolia, Lin.—East Caucasus. Rosa gallica, Lin.—Central and South Europe.

Order Rosacea, § Pruneæ.

Amygdalus communis, Lin.—Levant, North Africa. Cerasus Laurocerasus, Loisel.—Trebizond. Prunus spinosa, Lin.—England.

Prunus domestica, Lin.—England.

Order Rosaceæ, § Pomeæ.

Pyrus Aucuparia, Gærtn.—England. Cydonia vulgaris, Pers.—South Europe.

Order Leguminosæ.

Cytisus Laburnum, Lin.—Alps of Europe.

BED 8, N. end.

Sarothamnus scoparius, Wimm.—England. Glycyrrhiza glabra, Lin.—South Europe. Colutea arborescens, Lin.—Central and South Europe. Coronilla Emerus, Lin.—Central and South Europe. Coronilla varia, Lin.—South Europe.

Order Crassulaceæ.

Sempervivum tectorum, *Lin.* – England. Sedum acre, *Lin.* – England.

Order Anacardiaceæ.

Rhus Toxicodendron, Lin.—North America.
Pistacia Terebinthus, Lin.—South Europe, North Africa,
Levant, (on Plot F).

BED 9.

Order Moraceæ.

Morus nigra, Lin.—South Europe, Persia.

BED 10.

Order Cannabinacea.

Humulus Lupulus, Lin.—England.

BED 11.

Cannabis sativa, Lin.—India, Persia.

BED 12, N. end.

Order Oleaceæ.

Olea europæa, Lin.—South Europe, Barbary, Levant.

Order Platanaceæ.

Liquidambar styraciflua, Lin.—North America.

Order Thymelaceæ.

Daphne Mezereum, Lin.—England.

Order Lauraceæ.

Lindera (Laurus) Benzoin, *Meissn.*—North America. Sassafras officinale, *Nees.*—North America. Laurus nobilis, *Lin.*—South Europe, Asia Minor.

Order Aristolochiaceæ.

Aristolochia Serpentaria, Lin.—North America (in greenhouse).

Asarum europæum, Lin.—England.

Asarum canadense, Lin.—North America.

Order Polygonaceæ.

Rheum palmatum var. tanghuticum, Regel.—Mongolia, Kansu.

Rheum undulatum, Lin.—Siberia.

Rumex Acetosa, Lin.—England.

SOCIETY OF APOTHECARIES' GARDEN AT CHELSEA. 27

Order Ericacea.

Azalea pontica, *Lin.*—Asia Minor, Caucasus. Gaultheria procumbens, *Lin.*—North America.

Arctostaphylos Uva-ursi, Spr.—England.

Order Styraceæ.

Styrax officinalis, Lin. -- Greece, Asia Minor (on east wall).

BED 13, S. end.

Order Convolvulacea.

Convolvulus Scammonia, Lin.—Greece, Levant. Exogonium Purga. Benth.—Mexico.

Order Lobeliacea.

Lobelia cardinalis, Lin.—North America. Lobelia syphilitica, Lin.—North America. Lobelia inflata, Lin.—North America.

Order Caprifoliaceæ.

Sambucus Ebulus, Lin.—England.
 Sambucus nigra, Lin.—England.

Order Rubiaceæ.

Rubia tinctorum, Lin.—South Europe, Levant.

Order Compositæ, § Senecionideæ.

Tussilago Farfara, Lin.—England.

Order Compositæ, § Inuloideæ.

Inula Helenium, Lin.—England.

Order Compositæ, § Anthemideæ.

Tanacetum vulgare, Lin.—England.

Pyrethrum Parthenium, Smith-England.

Artemisia Absinthium, Lin.—England.

Artemisia Abrotanum, Lin.—South Europe.

Artemisia Dracunculus, Lin.—South Europe, Siberia.

Anthemis nobilis, Lin. - England.

dionel. BED 14, N. end.

 $Order\ Compositx,\ \S\ Cichoriacex.$

Lactuca sativa, Lin.—Europe.

Lactuca virosa, Lin.—England.

Taraxacum Dens-leonis, Desf.—England. Cichorium Intybus, Lin.—England.

Order Valerianaceæ.

Valeriana officinalis, Lin.—England.

Order Labiatæ.

Lavandula vera, DC.—Mediterranean region, Morocco.

Mentha viridis, Lin.—England.

Mentha piperita, Lin.—England.

Mentha Pulegium, Lin.—England.

Salvia officinalis, Lin.—South Europe.

Rosmarinus officinalis, Lin.—South Europe, Asia Minor, Algiers.

Origanum vulgare, Lin.—England.

Hyssopus officinalis, Lin.—South Europe, Central Asia.

Melissa officinalis, Lin.—South Europe, England.

Nepeta Cataria, Lin.—England.

Nepeta Glechoma, Benth.—England.

BED 15, S. end.

- Leonurus Cardiaca, Lin.—England.
- Stachys Betonica, Benth.—England.
 Marrubium vulgare, Lin.—England.

Order Scrophulariaceæ.

Digitalis purpurea, Lin.—England. Scrophularia nodosa, Lin.—England.

Linaria vulgaris, Mill.—England.

Gratiola officinalis, Lin.—Europe.

Order Solanaceæ.

Hyoscyamus niger, Lin.—England.

Atropa Belladonna, Lin.—England.

Capsicum annuum, Lin.—India, South America, Mexico.

Datura Stramonium, Lin.—England.

Solanum Dulcamara, Lin.—England.

Nicotiana Tabacum, Lin.—Tropical America.

Order Asclepiadaceæ.

Vincetoxicum officinale, Mænch.—Europe.

SOCIETY OF APOTHECARIES' GARDEN AT CHELSEA. 29

Order Gentianacea.

Gentiana lutea, Lin.—Alps of Europe.

Menyanthes trifoliata, Lin.—England (in Tank No. 10).

Order Oleaceæ.

Olea europæa, Lin.—South Europe, Barbary, Levant. (See Bed 12.)

BED 16, N. end.

Order Coniferæ.

Pinus sylvestris, Lin.—England.

Abies balsamea, Mill.—North America.

Abies excelsa, DC.—North Europe.

Larix europæa, DC.—European Alps, Siberia.

Juniperus communis, Lin.—England.

Juniperus Sabina, Lin.—Central Europe.

Order Taxaceæ.

Taxus baccata, Lin.—England.

Order Amaryllidaceæ.

- Narcissus poeticus, Lin.—England.

Pancratium maritimum, Lin.—Mediterranean region.

Order Iridaceæ.

Iris Pseudacorus, Lin.—England.

Iris florentina, Lin.—South Europe.

Crocus sativus, Lin.—Greece, England.

Order Melanthaceæ.

Veratrum album, Lin.—Europe, Caucasus.

Veratrum viride, Ait.—North America.

Veratrum nigrum, Lin.—Central and South Europe, Siberia.

- Colchicum autumnale, Lin.-England.

BED 17, N. end.

Order Liliaceæ.

Urginea Scilla, Steinh.—South Europe, Mediterranean region (in greenhouse).

Allium Porrum, Lin.-South Europe, Egypt.

Allium Cepa, Lin.—Caucasian Mountains.

Allium sativum, Lin.—Sicily, Egypt.

Order Smilaceæ.

Smilax aspera, Lin.—South Europe, Asia Minor. Smilax tamnoides, Lin.—North America.

Order Orontiaceæ.

Acorus Calamus, Lin.—England.

Order Graminaceæ.

Triticum vulgare, Vill.—Central Asia. Hordeum distichum, Lin.—Mesopotamia, Tartary. Secale cereale, Lin.—Caucasico-Caspian Desert. Avena sativa, Lin.—Mesopotamia.

Order Cyperacea.

Carex arenaria, Lin.—England.
Carex hirta. Lin.—England.

-Cyperus longus, Lin.—England.

Order Filices.

- Pteris aquilina, Lin.—England.
- Lastrea Filix-mas, Presl.—England.
- ◆Osmunda regalis, Lin.—England (in No. 5 house).

BED 18, Supplementary, commencing at E. end.

Order Polygalaceæ.

Polygala Chamæbuxus, Lin.—Europe.

Order Rosaceæ.

Spiræa Ulmaria, Lin.—England.

- Spiræa Filipendula, Lin.-England.

Order Leguminosæ.

Baptisia tinctoria, R. Br.—North America. Lathyrus tuberosus, Lin.—England.

Order Aristolochiaceæ.

Aristolochia Clematitis, Lin.—Europe, England.

Order Polygonaceæ.

- Polygonum amphibium, Lin.—England.

SOCIETY OF APOTHECARIES' GARDEN AT CHELSEA. 31

Order Primulacea.

Primula veris, Lin.—England.

Order Coriariacea.

Coriaria myrtifolia, Lin.—Mediterranean region.

Order Rubiaceæ (Galiaceæ.)

Asperula odorata, Lin.—England.

Order Compositæ, § Asteroideæ.

Solidago odora, Ait.—North America.

Order Compositæ, § Anthemideæ.

Ptarmica vulgaris, DC.—England.

Order Compositæ, & Calendulaceæ.

Calendula officinalis, Lin.—South Europe.

Order Compositæ, § Cynaroideæ.

Centaurea Centaurium, Lin.-Italy.

Centaurea Jacea, Lin.—Central Europe.

's Silybum marianum, Gærtn.—England.
Cnicus benedictus. Gærtn.—South Europe.

Cynara Scolymus, Lin.—South Europe.

Order Plantaginaceæ.

Plantago Cynops, Lin.—Europe.

Order Plumbaginaceæ.

Plumbago europæa, Lin.—South Europe, Asia Minor.

Order Boraginaceæ.

Symphytum officinale, Lin.—England.
 Borago officinalis, Lin.—England.

Order Labiatæ.

-Lycopus europæus, Lin.—England.

Order Solanacea.

Solanum nigrum, Lin.—England.

Solanum guineense, Lam.—Guinea, Brazil.

 ${\it Order\ Amaryllidace} {\it \alpha}.$

Oporanthus luteus, Herb.—South Europe.

Narcissus Pseudo-Narcissus, Lin.—England.

Order Iridaceæ.

Iris versicolor, Lin.-North America.

Order Liliaceæ.

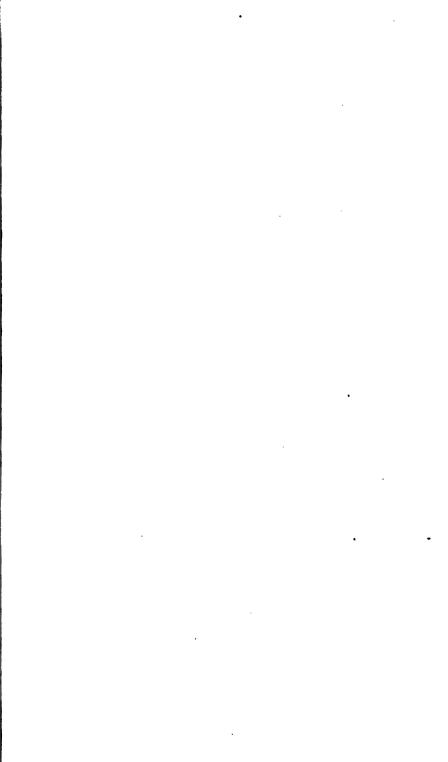
Allium Schoenoprasum, Lin.-England.

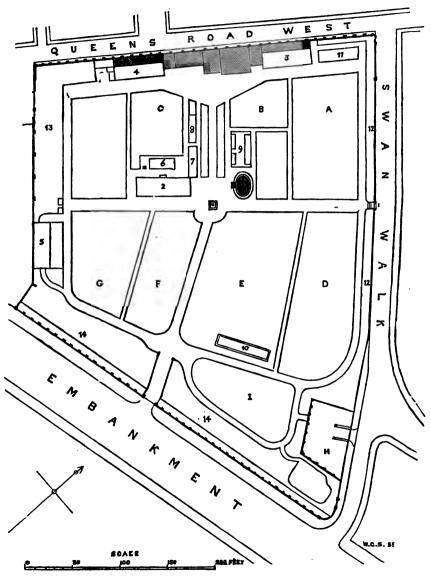
Order Graminceæ.

Lolium temulentum, Lin.—England. Setaria italica, Kunth.—Europe, India.

Order Cyperaceæ.

Cyperus esculentus, Lin.—South Europe, Levant,





PLAN. I .- Ground Plan of Chelsea Botanic Garden as it is in 1878.

LIST OF NATURAL ORDERS OF HERBACEOUS PLANTS ON PLOTS D, E, F, G.

(See Plan I.)

THE plants grown on the South side of the Central path, on Plots D, E, F, G, are, as already stated, chiefly herbaceous perennials grouped in beds, each bed containing usually one Natural Order. These Orders are not in any regular sequence, having originally been disposed to fit the open spaces on the ground. They will, however, be readily found on the several Plots, as follows:

Natural Orders on Plot D.

Scrophulariaceæ.

Galiaceæ (Rubiaceæ).

Compositæ. Dipsaceæ.

Umbelliferæ. Araliacea. Aristolochiaceæ.

Valerianaceæ. Campanulaceæ.

Ribesiaceæ (shrubby plants). Philadelphaceæ (shrubby

Lobeliaceæ. Caprifoliaces (shrubby

plants).

plants).

Onagraceæ.

The most interesting trees on this Plot are Kölreuteria paniculata, Acer creticum, Planera Richardi, Diospyros Lotus, Quercus Gramuntia, Quercus Ilex, and Pyrus Sorbus.

Natural Orders on Plot E.

Verbenaceæ.

Polemoniaceæ.

Labiatæ. Plumbaginaceæ. Convolvulaceæ.

Plantaginaceæ.

Boraginaceæ.

I Calyci Solanaceæ.

Celastraceæ (shrubby plants). Leguminosæ.

Rosaceæ. Sanguisorbaceæ. Lythraceæ. Saxifragaceæ. Cucurbitaceæ.

Ranunculaceæ.

Berberidaceæ (shrubby plants).

Papaveraceæ. Geraniaceæ.

Hypericaceæ (shrubby

plants). Malvaceæ. Caryophyllaceæ. Cruciferæ.

Cistaceæ (shrubby plants).

Rutaceæ.

Anacardiacea.

Ericaceæ (chiefly Rhodo-

dendron).

The most remarkable trees, climbers, &c., are Periploca græca, Rhamnus catharticus, Prunus virginiana, Ostrya vulgaris, Ficus Carica, Morus alba, Cydonia vulgaris, and Mespilus germanica.

TV brom Hat

Natural Orders on Plot F.

Polygonaceæ. Chenopodiaceæ. Nyctaginaceæ.

Phytolaccaceæ. Urticaceæ. Euphorbiaceæ.

On this plot stands the old Cedar of Lebanon (Cedrus Libani) one of the first plants introduced to this country. Two young trees have been planted on Plots E and F, right and left of the central walk from the Embankment. Here also grow Quercus Ilex, Corylus Colurna, Broussonetia papyrifera, Ailantus glandulosa, Pistacia Terebinthus, and Frazinus excelsior heterophylla.

Natural Orders on Plot G.

Commelynaceæ.

Liliaceæ.

Melanthaceæ. Dioscoreaceæ.

Smilaceæ.

Araceæ.

Amaryllidaceæ.

Iridaceæ. Graminaceæ. Cyperaceæ.

A notable specimen of Quercus Ilex, with a fine clean stem, stands on this Plot.

